motion, explaining the manner how it is perform'd, and endeavouring to ſolve the difficulties occurring therein: where he examins, both what *Des-Cartes* hath deviſed on this ſubject by aſſigning a direction to the wagging *Glandula pinealis*; and what *Gaſſendus* and Dr. *Willis* have ſuggeſted on the ſame, by the flammeous motion or exploſion of the Spirits; the former ſeeming to him altogether fictitious (how ingenious ſoever;) the latter leaving it hardly conceivable to him, how ſo conſtant and even a motion of the Muſcles in a ſound body can proceed from ſo violent a cauſe; nor how the Soul would be able to keep ſuch a command over her motions, if they did depend from an Acceſſion of the Spirits or a violent Exploſion. Mean time, he finds it very difficult to make it out, what it is indeed, that cauſeth the Motion of the Muſcles; yet conceives at laſt, that 'tis the Contraction of their fibres, that produces it; but whether that be done by the acceſſion of ſome ſubſtance, or by a change of angles in the fibres, is a new difficulty, which the Learned *Steno* ſcruples to determine any thing in, though Dr. *Willis* declare for the former opinion. After this, he enumerates many things, that remain yet unknown to us in the Motion of the Muſcles. Which done, he concludes the whole with his ingenious Conſiderations about the Motion of Walking, Flying, Swimming, Creeping, *&c*; annexing thereto his doctrine of Paſſions.

ERRATA in this Numb. 98.

Pag. 6141. l. 20. r. *evidentiùs*. p. 6146. l. penult. r. *plauſu*. Ibid. r. *Auguſto menſe*.

LONDON,

Printed for *John Martyn*, Printer to the *Royal Society*, 1673.